

## Scientific Notes:

### Spring Aspect of the Diurnal *Lepidoptera* Fauna of Şirvan District (Siirt Province) (South East Turkey)

by

Muhabbet Kemal Erdem Seven

Within the field programs of the year 2008, the authors visited Ormanbaşı (Figs.1-5) and Çeltikyolu territories (Fig.6) in Şirvan District (Siirt Province)<sup>1</sup> in South East Turkey between 23-26 April, 2008, in order to determine the spring aspects of the diurnal Lepidoptera fauna.<sup>2</sup> The studied area and the selected species recorded are illustrated below. Totally 46 species of the diurnal Lepidoptera recorded by the authors are listed. New records are marked with “#” for the district. Hibernated species are marked with “\*”. Additionally some other insects observed at Ormanbaşı are also illustrated (Figs.10, 20, 21).

For faunistical evaluating and determination of some species, we thank to Prof. Dr. Ahmet Ö.Koçak.

<sup>1</sup> The remote areas of the Eastern Turkey, including Siirt Province are currently extremely dangerous due to the terrorist activities. For details visit the official Web Page of the Turkish General Staff (TGS) in Turkish: [http://www.tsk.mil.tr/HABERLER\\_ve\\_OLAYLAR/5\\_Terorle\\_Mucadele/terorle\\_mucadele\\_2008.htm](http://www.tsk.mil.tr/HABERLER_ve_OLAYLAR/5_Terorle_Mucadele/terorle_mucadele_2008.htm)

<sup>2</sup> Mr. Erdem Seven has a Master Thesis Program on the Butterfly Fauna of Şirvan District, under the Supervision of Asst. Prof. Dr. Muhabbet Kemal (Yuzuncu Yıl University, Van).

## List of the species of Spring Aspect at Şirvan

**Papilionidae**

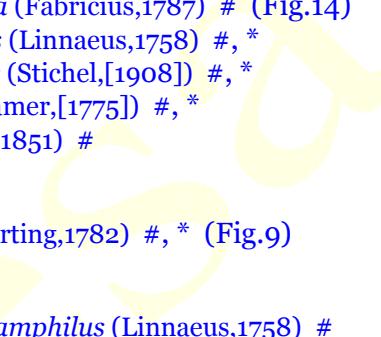
1. *Archon apollinaris apollinaris* (Staudinger,1892)
2. *Iphiclides podalirius podalirius* (Linnaeus,1758)
3. *Papilio (s.str.) machaon syriacus* Pfeiffer,1931
4. *Zerynthia (Allancastria) deyrollei deyrollei* (Oberthür,1869) (Figs.7,8)

**Pieridae**

5. *Anthocharis cardamines phoenissa* Kalchberg,1895 #
6. *Anthocharis damone eunomia* (Freyer,[1851]) #
7. *Anthocharis gruneri homogena* Heyne,1895 #
8. *Aporia (s.str.) crataegi hyalina* Röber,1907 # (Fig.12)
9. *Colias (Eriocolias) crocea crocea* (Fourcroy,1785)
10. *Gonepteryx (s.str.) farinosa turcicana* De Freina,1983 #, \*
11. *Leptidea duponcheli aestiva* (Staudinger,1878) #
12. *Pieris (Artogeia) ergane detersa* Verity,[1908] #
13. *Pieris (s.str.) brassicae brassicae* (Linnaeus,1758) #
14. *Pontia edusa edusa* (Fabricius,1777) #

**Argynnidae**

15. *Cynthia cardui cardui* (Linnaeus,1758) \*
16. *Issoria lathonia lathonia* (Linnaeus,1758) # (Fig.13)
17. *Limenitis (Azuritis) reducta herculeana* Stichel,[1908] #
18. *Melitaea (s.str.) arduinna arduinna* (Fabricius,1787) # (Fig.14)
19. *Nymphalis polychloros polychloros* (Linnaeus,1758) #, \*
20. *Nymphalis xanthomelas fervescens* (Stichel,[1908]) #, \*
21. *Polygonia (Comma) egea egea* (Cramer,[1775]) #, \*
22. *Thaleropis ionia ionia* (Eversmann,1851) #

**Libytheidae**

23. *Libythea (s.str.) celtis celtis* (Laicharting,1782) #, \* (Fig.9)

**Satyridae**

24. *Coenonympha (s.str.) pamphilus pamphilus* (Linnaeus,1758) #
25. *Lasiommata maera orientalis* (Heyne,[1894]) #
26. *Lasiommata megera transcaspica* (Staudinger,1901) #

**Lycaenidae**

27. *Callophrys rubi rubi* (Linnaeus,1758) # (Fig.10)
28. *Callophrys ? suaveola suaveola* (Staudinger,1881) #
29. *Celastrina argiolus hypoleuca* (Kollar,[1849]) #
30. *Glauopsyche (s.str.) alexis lugens* (Caradja,1893) #
31. *Lycaena (s.str.) phlaeas timeus* (Cramer,[1777]) #
32. *Polyommatus (Aricia (s.str.)) agestis agestis* ([Denis & Schiffermüller],1775) #
33. *Polyommatus (s.str. (Cyaniris)) bellis* nurmuhemmet Kemal & Koçak,2005 # (Fig.11)
34. *Polyommatus (s.str.) icarus* (Rottemburg,1775), ssp. #
35. *Pseudophilotes vicrama schiffermuelleri* (Hemming,1929) #
36. *Satyrium (Nordmannia) abdominalis abdominalis* (Gerhard,[1850])

**Hesperiidae**

37. *Erynnis (Hesperopegasus) marloyi marloyi* (Boisduval,[1834]) # (Fig.17)
38. *Erynnis (s.str.) tages unicolor* (Freyer,[1848]) #
39. *Spialia (Neospialia) orbifer hilaris* (Staudinger,1901) #

**Sphingidae**

40. *Macroglossum stellatarum stellatarum* (Linnaeus,1758) #, \*

**Geometridae**

41. *Chiasmia clathrata* (Linnaeus, 1758) # (Fig.15)  
42. *Pseudopanthera syriacata* (Guenée, 1852) #

**Noctuidae**

43. *Apopestes* ? *spectrum* (Esper, 1787) #. Recorded at larva stage! (Fig.18)

**Pyralidae**

44. *Tretopteryx pertusalis* (Geyer, 1832) #

**Oecophoridae**

45. *Pleurota* sp. (Fig.16)

**Psychidae**

46. gen.sp. (Fig.18)



**Fig.1-** South of Ormanbaşı, Şirvan, Siirt, on 24 April, 2008 Photo A.Koçak (Cesa)



Fig.2- South of Ormanbağı, Şirvan, Siirt, on 24 April, 2008 Photo A.Koçak (Cesa)



Fig.3- South of Ormanbağı, 1070m, Şirvan, Siirt, on 24 April, 2008; collecting localities, Photo M.Kemal (Cesa)



**Fig.4-** South of Ormanbaşı, 1070m, Şirvan, Siirt, on 24 April, 2008; collecting locusts, Photo A.Koçak (Cesa)



**Fig.5-** South of Ormanbaşı, 1070m, Şirvan, Siirt, on 24 April, 2008; collecting localities, Photo M.Kemal (Cesa)



Fig.6- Celtykyolu pass, 1600m, Şirvan, Siirt, on 26 April, 2008; collecting localities, Photo M.Kemal (Cesa)



Fig.7- A resting male of *Allancastria deyrollei* at Ormanbaşı, Şirvan (Siirt) on 24 April, 2008 Photo M.Kemal (Cesa)



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**Fig.8-** *Aristolochia bottae*, Larval foodplant of *Allancastria deyrollei* at Ormanbaşı, Şirvan (Siirt) on 24 April, 2008 Photo M.Kemal (Cesa)



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**Fig.9-** *Celtis glabrata*, larval foodplant of *Libythea celtis* at Ormanbaşı, 1070m, Şirvan (Siirt) on 24 April, 2008 Photo M.Kemal (Cesa)



**Fig.10-** *Rhamnus* sp., larval foodplant of *Gonepteryx farinosa* and nectar plant of *Callophrys rubi*, *Callophrys* ? *suaveola*, and *Celastrina argiolus* at Ormanbaşı, Şirvan (Siirt) on 24 April, 2008 Photo M. Kemal (Cesa)



**Fig.10-** *Callophrys rubi* on nectar plant of *Rhamnus* sp., and *Malachius aeneus* (Melyridae) behind it, Ormanbaşı, Şirvan (Siirt) on 24 April, 2008 Photo M. Kemal (Cesa)



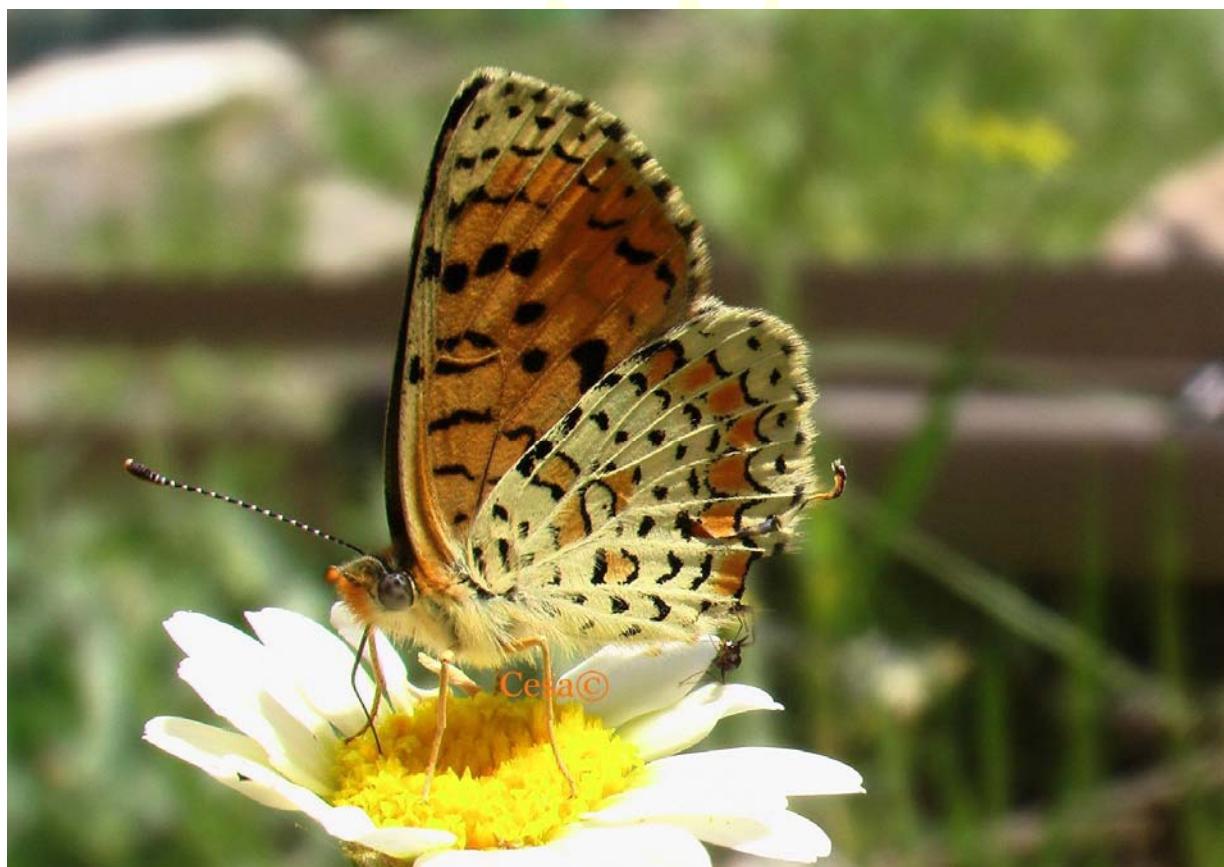
**Fig.11-** A male of *Polyommatus (Cyaniris) bellis* ssp. *nurmuhemmet* at rest, Ormanbaşı, Şirvan (Siirt) on 24 April, 2008 Photo M. Kemal (Cesa)



**Fig.12-** Pupae of *Aporia crataegi* at Ormanbaşı, Şirvan (Siirt) on 24 April, 2008. At the same place and time, butterflies were also captured, with remarkably early flight period! Photo M. Kemal (Cesa)



**Fig.13-** A basking male of *Issoria lathonia* at Ormanbaşı, Şirvan (Siirt) on 24 April, 2008, Photo M. Kemal (Cesa).



**Fig.14-** A feeding male of *Melitaea collina* on the flower of *Anthemis sp.* at Ormanbaşı, Şirvan (Siirt) on 24 April, 2008, Photo M. Kemal (Cesa).



**Fig.15-** A basking male of day flying moth *Chiasmia clathrata* (Geometridae), near Hesko Bridge 975m, Ormanbaşı, Şirvan (Siirt), on 25 April, 2008, Photo M.Kemal (Cesa).



**Fig.16-** A resting male of day flying micro-moth *Pleurota* sp. (Oecophoridae), at Ormanbaşı 1250m, Şirvan (Siirt), on 24 April, 2008, Photo M.Kemal (Cesa).



**Fig.17-** A feeding male of *Erynnis marloyi* on the flower of *Anchusa* (Boraginaceae), at Ormanbağı 1070m, Şirvan (Siirt), on 25 April, 2008, Photo M.Kemal (Cesa).



**Fig.18-** A full grown caterpillar of *Apopestes* ? *spectrum* (Noctuidae) on the ground before pupating, at Ormanbağı 1000m, Şirvan (Siirt), on 26 April, 2008, Photo M.Kemal (Cesa).



**Fig.18-** A psychid larva (*Psychidae*), at Hazro Bridge 975m, Ormanbaşı, Şirvan (Siirt), on 25 April, 2008, Photo M. Kemal (Cesa).



**Fig.20-** Other insects, *Acrida* sp. at nymph stage (*Orthoptera*), at Ormanbaşı 1070m, Şirvan (Siirt), on 25 April, 2008, Photo M. Kemal (Cesa).



**Fig.21-** Other insects, *Agaphantia kirbyi* (Cerambycidae), at Ormanbaşı 1000m, Şirvan (Siirt), on 26 April, 2008  
Photo M.Kemal (Cesa).



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